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OM protein - protein search, using sw model

Run on: August 28, 2002, 17:22:09 ; Search time 30.03 Seconds
(without alignments)
183.009 Million cell updates/sec

Title: US-09-502-984B-1
Perfect score: 1194

Sequence: 1 APPPNLPDPKFEKSKALLAA.....GCFWSAWSEPVSLTPSDLD 225

Scoring table: BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents-AA:*

- 1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
- 2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
- 3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
- 4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
- 5: /cgn2_6/ptodata/2/1aa/PCtUS.COMB.pep:*
- 6: /cgn2_6/ptodata/2/1aa/Backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1194	100.0	488	4	US-08-776-511-2
2	1187	99.4	508	2	US-08-850-293-5
3	202.5	17.0	185	1	US-07-676-647-10
4	202.5	17.0	185	1	US-08-449-329-10
5	202.5	17.0	185	2	US-08-445-073-10
6	202.5	17.0	185	2	US-08-585-258-10
7	202.5	17.0	185	4	US-09-211-590-10
8	202.5	17.0	185	5	PCT-US91-03896-10
9	201	16.8	482	1	US-08-184-327A-8
10	201	16.8	482	5	PCT-US95-00670-8
11	200	16.8	633	1	US-08-250-859-17
12	200	16.8	633	1	US-08-490-803-17
13	200	16.8	633	2	US-08-457-254-7
14	200	16.8	633	5	PCT-US94-08806-17
15	200	16.8	633	5	PCT-US95-01775-17
16	200	16.8	633	5	PCT-US95-16626-7
17	198	16.6	626	1	US-08-184-3327A-2
18	198	16.6	626	5	PCT-US95-00670-2
19	185	15.5	448	2	US-08-078-311-12
20	185	15.5	448	2	US-08-460-402-12
21	185	15.5	493	2	US-08-078-311-7
22	185	15.5	493	2	US-08-460-402-7
23	185	15.5	635	1	US-08-184-3327A-4
24	185	15.5	635	2	US-08-078-311-1
25	185	15.5	635	2	US-08-460-402-1
26	185	15.5	635	5	PCT-US95-00670-4
27	169	14.2	30	2	US-08-280-864A-7

28	169	14.2	30	4	US-09-092-291-7	Sequence 7, Appli
29	160.5	13.4	303	4	US-09-071-224-23	Sequence 23, Appl
30	160.5	13.4	389	4	US-09-071-224-22	Sequence 22, Appl
31	160.5	13.4	389	4	US-09-071-224-24	Sequence 24, Appl
32	160.5	13.4	389	4	US-09-071-224-26	Sequence 26, Appl
33	160.5	13.4	389	4	US-09-071-224-27	Sequence 27, Appl
34	160.5	13.4	392	4	US-09-071-224-18	Sequence 18, Appl
35	160.5	13.4	425	4	US-09-071-224-4	Sequence 4, Appl
36	160	13.4	32	2	US-08-280-864A-13	Sequence 13, Appl
37	160	13.4	32	4	US-09-092-291-13	Sequence 21, Appl
38	159.5	13.4	303	4	US-09-071-224-21	Sequence 21, Appl
39	159.5	13.4	385	4	US-09-071-224-20	Sequence 20, Appl
40	159.5	13.4	388	4	US-09-071-224-17	Sequence 17, Appl
41	159.5	13.4	389	4	US-09-071-224-25	Sequence 25, Appl
42	159.5	13.4	389	4	US-09-071-224-28	Sequence 28, Appl
43	159.5	13.4	389	4	US-09-071-224-29	Sequence 29, Appl
44	159.5	13.4	422	4	US-09-071-224-2	Sequence 2, Appli
45	158.5	13.3	389	4	US-09-071-224-30	Sequence 30, Appl

ALIGNMENTS

RESULT 1
US-08-776-511-2
; Sequence 2, Application US/08776511
; Patent No. 6153190
; GENERAL INFORMATION:
; APPLICANT: Young, Peter R.
; APPLICANT: Erickson-Miller, Connie
; TITLE OF INVENTION: Method for Obtaining Receptor Agonist
; TITLE OF INVENTION: Antibodies
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESS: SmithKline Beecham Corporation- Corporate
; ADDRESSEE: Patents
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19406-2799
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/776,511
; FILING DATE:
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Jervais, Herbert H.
; REGISTRATION NUMBER: 31,171
; TELEPHONE/DOCKET NUMBER: SBC P50349-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5015
; TELEFAX: 610-270-5090
; INFORMATION FOR SEQ ID NO. 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 488 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-776-511-2

Query Match 100.0%; Score 1194; DB 4; Length 488;
Best Local Similarity 100.0%; Pred. No. 1e-125;
Matches 225; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 APPPNLPDPKFEKSKALLAARGPEELCTFTELEDLVCFWEERASAGVPGNYSFYLE 60
DB 25 APPPNLPDPKFEKSKALLAARGPEELCTFTELEDLVCFWEERASAGVPGNYSFYLE 84

QY 61 DEPWKLCRLHQAPTARGAVFMCSTPTADTSSFVPLELRYTAASGAPRRYHVIHINEVYL 120
DB 85 DEPWKLCRLHQAPTARGAVFMCSTPTADTSSFVPLELRYTAASGAPRRYHVIHINEVYL 144
QY 121 LDAPVGLVARLADSGHVLLRMLPPETPMTSHIREVDVSAGNGAGSVQVRVLEIGRTE 180
DB 145 LDAPVGLVARLADSGHVLLRMLPPETPMTSHIREVDVSAGNGAGSVQVRVLEIGRTE 204
QY 181 CVLSNLRGRTYTFVARMAEPFSGFWSAMSEPVSLTTPSDLD 225
DB 205 CVLSNLRGRTYTFVARMAEPFSGFWSAMSEPVSLTTPSDLD 249

RESULT 2
US-08-850-293-5
; Sequence 5, Application US/08850293
; Patent No. 5843726
; GENERAL INFORMATION:
; APPLICANT: Lee, Jong Y.
; TITLE OF INVENTION: PURIFIED HUMAN ERYTHROPOIETIN RECEPTOR
; TITLE OF INVENTION: PROTEIN FRAGMENT AND ANTIBODIES DERIVED THEREFROM
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C., P.A.
; STREET: 60 South Sixth Street, Suite 3300
; CITY: Minneapolis
; STATE: MN
; COUNTRY: USA
; ZIP: 55402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/850,293
; FILING DATE: 05-MAY-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/499,643
; FILING DATE: 07-JUL-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/106,815
; FILING DATE: 16-AUG-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Ellinger, Mark S.
; REGISTRATION NUMBER: 34,812
; REFERENCE/DOCKET NUMBER: 07004/002001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 612/335-5070
; TELEFAX: 612/288-9696
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 508 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-850-293-5

Query Match 99.4%; Score 1187; DB 2; Length 508;
Best Local Similarity 99.6%; Pred. No. 6,8e-125;
Matches 224; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 APPPNLPDRKFSKALLAARGPEELCTFERLEDVCFWEEAASAGVGNGTSESYOLE 60
DB 25 APPPNLPDRKFSKALLAARGPEELCTFERLEDVCFWEEAASAGVGNGTSESYOLE 84
QY 61 DEPWKLCRLHQAPTARGAVFMCSTPTADTSSFVPLELRYTAASGAPRRYHVIHINEVYL 120
DB 85 DEPWKLCRLHQAPTARGAVFMCSTPTADTSSFVPLELRYTAASGAPRRYHVIHINEVYL 144

QY 121 LDAPVGLVARLADSGHVLLRMLPPETPMTSHIREVDVSAGNGAGSVQVRVLEIGRTE 180
DB 145 LDAPVGLVARLADSGHVLLRMLPPETPMTSHIREVDVSAGNGAGSVQVRVLEIGRTE 204
QY 181 CVLSNLRGRTYTFVARMAEPFSGFWSAMSEPVSLTTPSDLD 225
DB 205 CVLSNLRGRTYTFVARMAEPFSGFWSAMSEPVSLTTPSDLD 249

RESULT 3
US-07-676-647-10
; Sequence 10, Application US/07676647
; Patent No. 5426177
; GENERAL INFORMATION:
; APPLICANT: Davis, Samuel
; APPLICANT: Squinto, Stephen P.
; APPLICANT: Furtth, Mark E.
; APPLICANT: Yancopoulos, George D.
; TITLE OF INVENTION: The Ciliary Neurotrophic Factor Receptor
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Penile & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/676,647
; FILING DATE: 19910328
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 6526-048
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212 790-9090
; TELEFAX: 212 8698864/9741
; TELEX: 66141 PENILE
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 185 amino acids
; TYPE: AMINO ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-07-676-647-10

Query Match 17.0%; Score 202.5; DB 1; Length 185;
Best Local Similarity 29.6%; Pred. No. 3,8e-15;
Matches 55; Conservative 3; Mismatches 127; Indels 1; Gaps 1;

QY 28 CPTERLEDVCFWEEAASAGVGNGTSESYOLEDEPWKLCRLHQAPTARGAVFMCSTPT 87
DB 1 CPTERLEDVCFWXXXXXXXXXX-XXXXXXXXXXXXXXXXXXXXXXXXXXXXX 59
QY 88 ADTSSFVPLELRYTAASGAPRRYHVIHINEVLLDAPVGLVARLADSGHVLLRMLPPE 147
DB 60 XXXXXXXXXXXXXXXXXXXXXXXXHHINEVLLDAPVGLVARLADSGHVLLRMLPPE 119
QY 148 TPMTSHIREVDVSAGNGAGSVQVRVLEIGRTECVLSNLRGRTYTFVARMAEPFSG 207
DB 120 XXVVARMAEPFSG 179
QY 208 FWSAWS 213
DB 180 FWSAWS 185

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RESULT 4
US-08-449-329-10
; Sequence 10, Application US/08449329
; Patent No. 5648334
; GENERAL INFORMATION:
; APPLICANT: Davis, Samuel
; APPLICANT: Squinto, Stephen P.
; APPLICANT: Furtth, Mark E.
; APPLICANT: Yancopoulos, George D.
; TITLE OF INVENTION: The Ciliary Neurotrophic Factor Receptor
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/449,329
; FILING DATE:
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/700,677
; FILING DATE: 15-MAY-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 6526-065
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212 790-9090
; TELEFAX: 212 869864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 185 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; US-08-449-329-10

Query Match 17.0%; Score 202.5; DB 1; Length 185;
Best Local Similarity 29.6%; Pred. No. 5.8e-15;
Matches 55; Conservative 3; Mismatches 127; Indels 1; Gaps 1;

QY 28 CTELELDLVCFWEAASAGVPGNVSFSYQLEDEPMKLCRLHQAPTARGAVFMCSLPT 87
DB 1 CFTQLELDLVCFWXXXXXXXXXX-XXXXXXXXXXXXXXXXXXXXXXXXXXXXCXXXX 59
QY 88 ADTSSFVLELAVTASGAPRYHRYIHNEVLLDAPVGLVARLADSGHVLLRMLPPE 147
DB 60 XXXXXXXXXXXXXXXXXXXXXXXXIHNEVLLDAPAGLLARRAECSHVLLRMXXXXX 119
QY 148 TPTMTHIRYEVDSAGNGAGSVQREILEGRTECVLSNLGRTRTFVARRMAEPSEFG 207
DB 120 XXXXXXXXXXXXXXXXXXXXXXXXIHNEVLLDAPAGLLARRAECSHVLLRMXXXXX 179
QY 208 FWSAMS 213
DB 180 FWSAMS 185
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RESULT 5
US-08-445-073-10
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; Sequence 10, Application US/08445073
; Patent No. 5849897
; GENERAL INFORMATION:
; APPLICANT: Davis, Samuel
; APPLICANT: Squinto, Stephen P.
; APPLICANT: Furtth, Mark E.
; APPLICANT: Yancopoulos, George D.
; TITLE OF INVENTION: The Ciliary Neurotrophic Factor Receptor
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/445,073
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/676,647
; FILING DATE: 28-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 6526-048
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212 790-9090
; TELEFAX: 212 869864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 185 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-445-073-10
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Query Match 17.0%; Score 202.5; DB 2; Length 185;
Best Local Similarity 29.6%; Pred. No. 5.8e-15;
Matches 55; Conservative 3; Mismatches 127; Indels 1; Gaps 1;

QY 28 CTELELDLVCFWEAASAGVPGNVSFSYQLEDEPMKLCRLHQAPTARGAVFMCSLPT 87
DB 1 CFTQLELDLVCFWXXXXXXXXXX-XXXXXXXXXXXXXXXXXXXXXXXXXXXXCXXXX 59
QY 88 ADTSSFVLELAVTASGAPRYHRYIHNEVLLDAPVGLVARLADSGHVLLRMLPPE 147
DB 60 XXXXXXXXXXXXXXXXXXXXXXXXIHNEVLLDAPAGLLARRAECSHVLLRMXXXXX 119
QY 148 TPTMTHIRYEVDSAGNGAGSVQREILEGRTECVLSNLGRTRTFVARRMAEPSEFG 207
DB 120 XXXXXXXXXXXXXXXXXXXXXXXXIHNEVLLDAPAGLLARRAECSHVLLRMXXXXX 179
QY 208 FWSAMS 213
DB 180 FWSAMS 185

RESULT 6
US-08-585-258-10
; Sequence 10, Application US/08585258
; Patent No. 5892003
; GENERAL INFORMATION:
; APPLICANT: Davis, Samuel
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; APPLICANT: Squinto, Stephen P.
; APPLICANT: Furch, Mark E.
; APPLICANT: Yancopoulos, George D.
; TITLE OF INVENTION: The Ciliary Neurotrophic Factor Receptor
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/585,258
; FILING DATE: 11-JAN-1996
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/001,904
; FILING DATE:
; APPLICATION NUMBER: US/07/700,677
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 6526-065
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212 790-9090
; TELEFAX: 212 8698864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 185 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; US-08-585-258-10

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Query Match      17.0%; Score 202.5; DB 2; Length 185;
Best Local Similarity 29.6%; Pred. No. 5,8e-15;
Matches 55; Conservative 3; Mismatches 127; Indels 1; Gaps 1;

QY 28 CFTERLEDIVCFWEAASAGVGPNGTSFSYOLEDEPWKLCRLHQAPTPARGAVFMCSLPT 87
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DB 1 CFTORLEDIVCFWXXXXXXXX-XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 59

QY 88 ADTSSFVPLELRTAASGAPRYHRVTHINEVLLDAPVGLVARTADESGHVLRWLPPPE 147
    |||:|||||
DB 60 XXXXXXXXXXXXXXXXXXXXXXXXXXXXIHINEVLLDAPAGILARRAEGSHVLRWXXXXX 119

QY 148 TPTMTHIRREVDVSAAGNGASVQORVEILBGRTECVLSNLRGRTRYTFAVARARMAEPSFG 207
    |||:|||||
DB 120 XXXXXXXXXXXXXXXXXXXXXXXXXXXXIHINEVLLDAPAGILARRAEGSHVLRWXXXXX 119

QY 208 FWSAWS 213
    |||:|||||
DB 180 FWSAWS 185

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RESULT 7
US-09-211-590-10
; Sequence 10, Application US/09211590
; Patent No. 6316206
; GENERAL INFORMATION:
; APPLICANT: Davis, Samuel
; APPLICANT: Squinto, Stephen P.
; APPLICANT: Furch, Mark E.

```

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; APPLICANT: Yancopoulos, George D.
; TITLE OF INVENTION: The Ciliary Neurotrophic Factor Receptor
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/211,590
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/676,647
; FILING DATE: 28-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 6526-048
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212 790-9090
; TELEFAX: 212 8698864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 185 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-211-590-10

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Query Match      17.0%; Score 202.5; DB 4; Length 185;
Best Local Similarity 29.6%; Pred. No. 5,8e-15;
Matches 55; Conservative 3; Mismatches 127; Indels 1; Gaps 1;

QY 28 CFTERLEDIVCFWEAASAGVGPNGTSFSYOLEDEPWKLCRLHQAPTPARGAVFMCSLPT 87
    |||:|||||
DB 1 CFTORLEDIVCFWXXXXXXXX-XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 59

QY 88 ADTSSFVPLELRTAASGAPRYHRVTHINEVLLDAPVGLVARTADESGHVLRWLPPPE 147
    |||:|||||
DB 60 XXXXXXXXXXXXXXXXXXXXXXXXXXXXIHINEVLLDAPAGILARRAEGSHVLRWXXXXX 119

QY 148 TPTMTHIRREVDVSAAGNGASVQORVEILBGRTECVLSNLRGRTRYTFAVARARMAEPSFG 207
    |||:|||||
DB 120 XXXXXXXXXXXXXXXXXXXXXXXXXXXXIHINEVLLDAPAGILARRAEGSHVLRWXXXXX 119

QY 208 FWSAWS 213
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DB 180 FWSAWS 185

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RESULT 8
PCT-US91-03896-10
; Sequence 10, Application PC/TUS9103896
; GENERAL INFORMATION:
; APPLICANT: Davis, Samuel
; APPLICANT: Squinto, Stephen P.
; APPLICANT: Furch, Mark E.
; APPLICANT: Yancopoulos, George D.
; TITLE OF INVENTION: The Ciliary Neurotrophic Factor Receptor
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds

```

```

STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US91/03896
FILING DATE: 19910603
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Mistrick, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 6526-065-228
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212 790-9090
TELEFAX: 212 8698864/9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ. ID NO.: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 185 amino acids
TYPE: AMINO ACID
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
PCT-US91-03896-10

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1 MEDIUM TYPE: Floppy disk
2
3 COMPUTER: IBM PC compatible
4
5 OPERATING SYSTEM: PC-DOS/MS-DOS
6
7 SOFTWARE: Patentin Release #1.0, Version #1.25
8
9 CURRENT APPLICATION DATA:
10
11 APPLICATION NUMBER: US/08/184,327A
12
13 FILING DATE: 20-JAN-1994
14
15 CLASSIFICATION: 514
16
17 INFORMATION FOR SEQ ID NO: 8:
18
19 SEQUENCE CHARACTERISTICS:
20
21 LENGTH: 482 amino acids
22
23 TYPE: amino acid
24
25 TOPOLOGY: linear
26
27 MOLECULE TYPE: protein
28
29 US-08-184-327A-8

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; SEQUENCE CHARACTERISTICS:
;   LENGTH: 482 amino acids
;   TYPE: amino acid
;   TOPOLOGY: linear
;   MOLECULE TYPE: protein
;   PCT-US95-00670-8

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Query Match	16.8%;	Score 201;	DB 5;	Length 482;
Best Local Similarity	25.1%;	Pred. No. 3.4e-14;		
Matches 66; Conservative	29;	Mismatches 112;	Indels 56;	Gaps 7

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Oy      13 SKAALLARGEELICTEREDJECWEEAASGVPGNVSEFQLEDEPMKICRHOA 72
Db      18 SQDFLLALGTEPLNCSQTFEDTLCWDEBEA--PSGTYQLLYAKRGKPRACPLYSQ 75
Oy      73 PTARGAWEFMCSLPTAD-TSSEFVPLELRVTAAS-GADPRHRYHINEVLLDAPGLVAR 130
Db      76 SVPFGTGYKCFPAOAEVRLFFELFLHMVKNVSLNQTLLIRVLFVDESGVAPAPRVIKAR 135
Oy      131 LADESGHVLWR-LPPETP--MPSHIREYDVASGAGSQVQVELLEGR----- 179
Db      136 GGSQPELQIHWEPAPFISDFLHNEHRLGCTBSSNATASV--TQLSLSTETCCPLTAMP 193
Oy      180 -----ECVLSNLRGRTRYTFAVARAM 200
Db      194 NPVEVLDPPCVHPHTASQPHGSPVRTSPAGEAPFLTVKGSGCLVASGLQASKSYWLQLRSCP 253
Oy      201 AEPSPGCFWMSSEPSLTPSPD 223
Db      254 DGVSLRSGWCGWSPFVTVDLPGD 276

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```

RESULT 11
US-08-250-859-17
: Sequence 17, Application US/08250859
: Patent No. 5541085
:
GENERAL INFORMATION:
: APPLICANT: Holly, Richard D.
: APPLICANT: Burkhead, Steven K.
: TITLE OF INVENTION: METHOD FOR PREPARING ORPHAN RECEPTOR LIGANDS
: NUMBER OF SEQUENCES: 17
:
CORRESPONDENCE ADDRESS:
: ADDRESSEE: Zymogenetics, Inc.
: STREET: 4225 Roosevelt Way, N.E.
: CITY: Seattle
: STATE: WA
: COUNTRY: USA
: ZIP: 98105
:
COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
:
CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/250,859
: FILING DATE:
:
CLASSIFICATION: 435
:
ATTORNEY/AGENT INFORMATION:
: NAME: Parker, Gary E
: REGISTRATION NUMBER: 31-648
: REFERENCE/DOCKET NUMBER: 94-2
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 206-547-8080 ext 322
: TELEFAX: 206-632-4009
:
INFORMATION FOR SEQ ID NO: 17:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 633 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
:
US-08-250-859-17

```

Query Match	16.8%;	Score 200;	DB 1;	Length 633;
Best Local Similarity	25.1%;	Pred. No. 6.6e-14;		
Matches 66;	Conservative 29;	Mismatches 112;	Indels 56;	Gaps 7;

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OY      13 SKAALLIARGEELICTERLEEDJVCWEEMAASAGVPGNYSFYSOLEDEPMKICRLHOA 72
        | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
Db      25 SODVFLALGEPILNCSQTFEDITLCWDEEAA - PSQITOLLYAARGKPRACPIYSQ 82

OY      73 PTARGAVFWCSELTAD -TSSEVPLEILRVTAAS -GABRIRHYIHINEVULIDAPVGLVAR 130
        | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
Db      83 SVPFGRTRYVCOFPAODEVRLFFPLHLMVKNVSLNQTLLIORYLEVDSVGLPAPPRIKAR 142

OY      131 LADESGHVLWR -PPPETP -MSHIRYEVDVASGAGSAGSVORVELLEGRT ----- 179
        | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
Db      143 GGSQPGELQIIMEAPAEIISDFLHLEIRYGTBDSNMTATSV - IQLSLTETCCPTLMP 200

OY      180 -----ECVUSNLNGRTIRYFPAVARA 200
        | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
Db      201 NPVEVLDOPCVHPHTASOPHGVPRTSPAGEAPFLTVKGSGCLVSGLOAGKSYMLQILRSOP 260

OY      201 AEPFSGFMSAMSEPVSLITPSPD 223
        | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
Db      261 DGVSLRSGMGPSPFYTVDLPGD 283

```

```

: RESULT 12
: US-08-490-803-17
: Sequence 17, Application US/08490803
: Patent No. 5705349
: GENERAL INFORMATION:
: APPLICANT: Holly, Richard D.
: APPLICANT: Burkhead, Steven K.
: TITLE OF INVENTION: METHOD FOR PREPARING ORPHAN RECEPTOR LIGANDS
: NUMBER OF SEQUENCES: 17
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: ZymoGenetics, Inc.
: STREET: 4225 Roosevelt Way, N.E.
: City: Seattle
: STATE: WA
: COUNTRY: USA
: ZIP: 98105
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/490,803
: FILING DATE:
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: Parker, Gary E
: REGISTRATION NUMBER: 31-648
: REFERENCE/DOCKET NUMBER: 94-2
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 206-547-8080 ext 322
: TELEFAX: 206-632-4009
: INFORMATION FOR SEQ ID NO: 17:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 633 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-08-490-803-17

```

Query Match	16.8%	Score 200	DB 1	Length 633
Best Local Similarity	25.1%	Pred. No. 6.6e-14		
Matches 66:	Conservative 29	Mismatches 112	Indels 56	Gaps 7
13	SKAALLARGBELLCFERLEDLVCFWFEASACVGCNGNYSFSQLEDEPKKLCRLHQA	72		
1	1	1	1	1

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Db 25 SODVFLALGTEPLNCSQTFEDLTCFWEDEEAA--PSGTYYQLLYAVKGEKPRACPLYSQ 82
QY 73 PTANGAVFMCISLPTAD-TSSFVPLELRVTAAS-GAPRYHVHINEVLLDAPVGLVAR 130
Db 83 SVPFGRVYVCOFPAQDEVRLEFPLHLVKNVSLNQTLLIQVLFVDSVGLPAPPRVTKAR 142
QY 131 LADESGHVLRW-LPPETP--MTSHIREYDVASAGNGASVORVEILEGRT----- 179
Db 143 GGSQPGELQIHWEAPAPISDFLRHLELYGPTDSSNATAPSV--IQLLSTTCCEPTLMP 200
QY 180 -----ECVLSNLGRRTYFAVRARM 200
Db 201 NPVPLDQPCVHPHTASQPHGPRVTPSPAGEAPFLTVKGSGLVSLQAGKSYWLQLRSQP 260
QY 201 AEPFSGFWSAWSEPVSLITPSPD 223
Db 261 DGVSLRSGMGPWSPFPVVDLPDGD 283

RESULT 13
US-08-457-254-7
; Sequence 7, Application US/08457254
; Patent No. 5986049
; GENERAL INFORMATION:
; APPLICANT: Forstrom, John W
; APPLICANT: Lofton-Day, Catherine E
; APPLICANT: Lok, SI
; TITLE OF INVENTION: PURIFIED THROMBOPOIETIN AND METHOD OF
; TITLE OF INVENTION: MAKING IT
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Zymogenetics, Inc.
; STREET: 1201 Eastlake Avenue East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/457,254
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Parker, Gary E
; REGISTRATION NUMBER: 31,648
; REFERENCE/DOCKET NUMBER: 94-11C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-442-6673
; TELEFAX: 206-442-6678
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 633 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-457-254-7

Query Match 16.8%; Score 200; DB 2; Length 633;
Best Local Similarity 25.1%; Pred. No. 6.6e-14;
Matches 66; Conservative 29; Mismatches 112; Indels 56; Gaps 7;

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QY 131 LADESGHVLRW-LPPETP--MTSHIREYDVASAGNGASVORVEILEGRT----- 179
Db 143 GGSQPGELQIHWEAPAPISDFLRHLELYGPTDSSNATAPSV--IQLLSTTCCEPTLMP 200
QY 180 -----ECVLSNLGRRTYFAVRARM 200
Db 201 NPVPLDQPCVHPHTASQPHGPRVTPSPAGEAPFLTVKGSGLVSLQAGKSYWLQLRSQP 260
QY 201 AEPFSGFWSAWSEPVSLITPSPD 223
Db 261 DGVSLRSGMGPWSPFPVVDLPDGD 283

RESULT 14
PCT-US94-08806-17
; Sequence 17, Application PC/TUS9408806
; GENERAL INFORMATION:
; APPLICANT: Zymogenetics, Inc.
; APPLICANT: 1201 Eastlake Avenue East
; APPLICANT: Seattle
; APPLICANT: WA
; APPLICANT: US
; APPLICANT: 98102
; APPLICANT: APPLICANT: University of Washington
; APPLICANT: Seattle
; APPLICANT: MA
; APPLICANT: 98195
; TITLE OF INVENTION: HEMATOPOIETIC PROTEIN AND MATERIALS AND
; TITLE OF INVENTION: METHODS FOR MAKING IT
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Zymogenetics, Inc.
; STREET: 1201 Eastlake Avenue East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/08806
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Parker, Gary E
; REGISTRATION NUMBER: 31-648
; REFERENCE/DOCKET NUMBER: 93-12PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-442-6678
; TELEFAX: 206-442-6673
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 633 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US94-08806-17

Query Match 16.8%; Score 200; DB 5; Length 633;
Best Local Similarity 25.1%; Pred. No. 6.6e-14;
Matches 66; Conservative 29; Mismatches 112; Indels 56; Gaps 7;

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